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(54) Title: METHODS OF PURIFICATION OF CYTOCHROME P450 PROTEINS AND OF THEIR CRYSTALLIZING

(57) **Abstract:** The invention provides a method for the purification of cytochrome P450 molecules, the method comprising expressing in a host cell culture a cytochrome P450 molecule; recovering said cells from said culture and suspending said cells in a high salt buffer; lysing said cells and removing cell debris to provide a high-salt lysate; adding to said lysate a detergent to provide a high-salt-detergent lysate; and recovering said P450 from said lysate. The method provides yields of P450 proteins suitable for crystallization.

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